· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)	
Notice of Allowability			
	09/961,193	BASOL, BULENT M	1
	Examiner	Art Unit	
	Edna Wong	1753	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	plication. If not include will be mailed in due o	ed course. THIS
1. A This communication is responsive to Amendment dated Fe	<u>bruary 22, 2005</u> .		
2. The allowed claim(s) is/are <u>1-33</u> .			
3. $igotimes$ The drawings filed on <u>04 August 2003</u> are accepted by the	Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0: Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material		(PTO-413), le <u>February 16, 2005</u> . nent/Comment	wance

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

IN THE SPECIFICATION

page 1, in the Related Applications Statement, line 5, the words -- now US

Patent No. 6,858,121, -- should be inserted after the word "Influence".

page 1, in the Related Applications Statement, line 9, the words -- now US Patent No. 6,534,116, -- should be inserted after the word "Influence".

page 7, line 21, the words -- , now US Patent No. 6,534,116, -- should be inserted after the word "Influence".

page 8, line 6, the words -- now US Patent No. 6,413,388, -- should be inserted after the number "2000".

page 8, line 8, the words -- , now US Patent No. 6,413,403 -- should be inserted after the number "2000".

page 8, line 13, the words -- now pending -- should be inserted after the number "2000".

page 8, line 14, the words -- filed January 17, 2001, now US Patent No. 6,610,190, -- should be inserted after the word "Layer,".

IN THE CLAIM

Claim 2, line 1, the word "including" has been deleted and replaced with the word -- comprising --.

Claim 14, line 1, the word "including" has been deleted and replaced with the word -- comprising --.

Claim 22, line 1, the word "including" has been deleted and replaced with the word -- comprising --.

Claim 25, line 1, the word "steps" has been deleted and replaced with the word -- step --.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

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Claims 1-2 and 5-22 are allowable over the prior art of record because the prior art does not teach or suggest a method of plating a conductive top surface of a workpiece, the conductive top surface of the workpiece including a top portion and a cavity portion, the method comprising the steps of applying, using, moving and plating as presently claimed, esp., the steps of using a workpiece-surface-influencing device to make physical contact with the top portion and establishing relative movement with the workpiece to change at least the first portion of the additive adsorbed onto the top portion; and moving the workpiece-surface influencing device relatively away from the workpiece surface so that the physical contact between the workpiece-surface-influencing device and the workpiece no longer occurs.

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Claims 3 and 4 are allowable over the prior art of record because the prior art does not teach or suggest a method of plating a conductive top surface of a workpiece, the conductive top surface of the workpiece including a top portion and a cavity portion, the method comprising the steps of applying, using, moving, plating and plating as presently claimed, esp., the steps of using a workpiece-surface-influencing device to make physical contact with the top portion and establishing relative movement with the workpiece to change at least the first portion of the additive adsorbed onto the top portion, wherein using the workpiece-surface-influencing device applies a mask that includes at least one opening therein through which a flow of electrolyte therethrough can be controlled; and moving the workpiece-surface influencing device relatively away from the workpiece surface so that the physical contact between the workpiece-surface-surface-

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influencing device and the workpiece no longer occurs.

Claims 23-33 are allowable over the prior art of record because the prior art does not teach or suggest a method of plating a conductive top surface of a workpiece, the conductive top surface of the workpiece including a top portion and a cavity portion, the method comprising the steps of applying, using, moving and plating as presently claimed, esp., the steps of using a workpiece-surface-influencing device to make physical contact with the top portion and establishing relative movement with the workpiece to change at least the first portion of the additive adsorbed onto the top portion, wherein the step of using the workpiece-surface-influencing device uses a sweeper that has a sweeping portion that physically contacts the workpiece with a surface area that is substantially less than the surface area of the workpiece surface; and moving the workpiece-surface influencing device relatively away from the workpiece surface so that the physical contact between the workpiece-surface-influencing device and the workpiece no longer occurs.

The prior art does not contain any language that teaches or suggests the above. Walton et al. do not teach using a workpiece-surface-influencing device to make physical contact with the top portion and establishing relative movement with the workpiece to change at least the first portion of the additive adsorbed onto the top portion; and moving the workpiece-surface influencing device relatively away from the workpiece surface so that the physical contact between the workpiece-surface-influencing device and the workpiece no longer occurs.

Therefore, a person skilled in the art would not have been motivated to adopt the above conditions, and a prima facie case of obviousness cannot be established.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edna Wong whose telephone number is (571) 272-1349. The examiner can normally be reached on Mon-Fri 7:30 am to 4:00 pm, Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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EW March 12, 2005